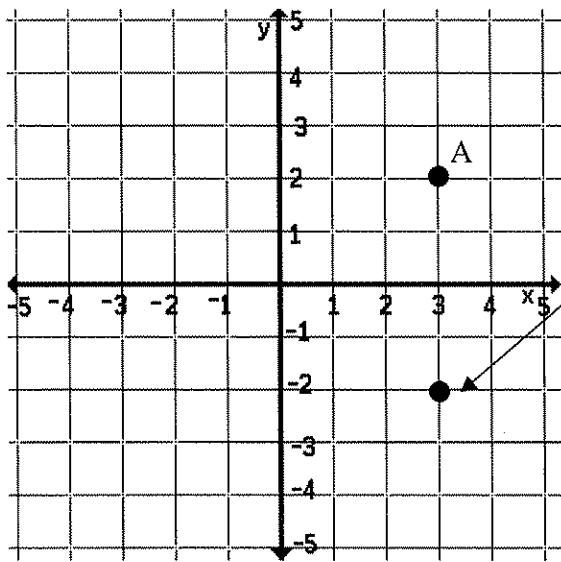


Guided Reflection Notes

Reflecting a point over the x - or y -axis

Reflecting over the x -axis:



Write down the ordered pair for A.

If A is reflected across the x -axis, what would be the new point on the graph?

Label this point.

Look at both points, what observations can you make about the two points.

Reflecting over the x -axis rule: _____

Try it:

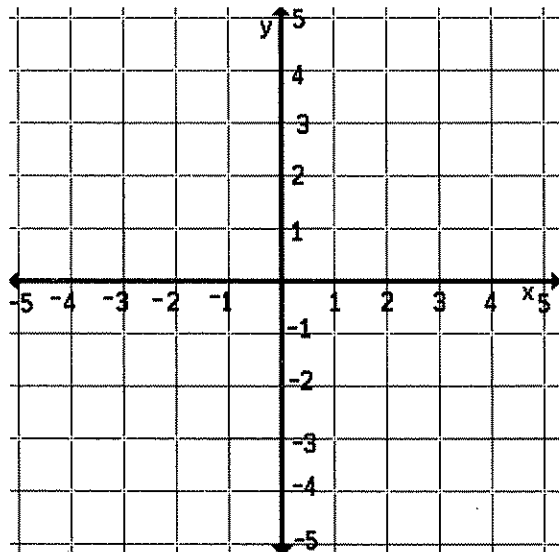
Graph the following points in the correct quadrant of the coordinate plane. If the point is reflected across the x -axis, what are the coordinates of the reflected points? What similarities are between coordinates of the original point and reflected point?

A $(-5, 2)$ \longrightarrow (,)

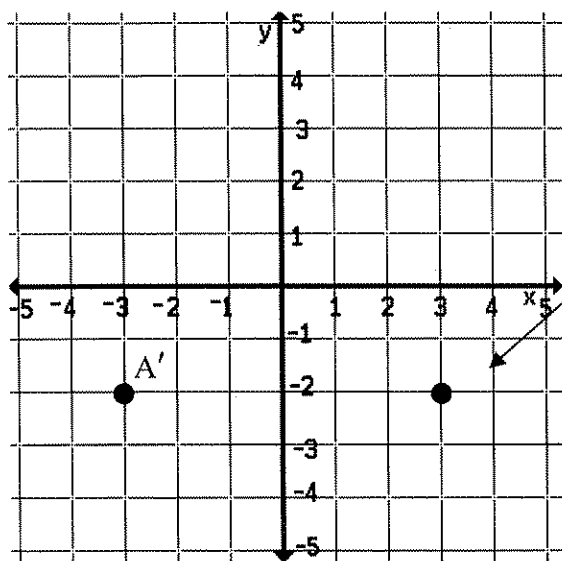
B $(2, 4)$ \longrightarrow (,)

C $(-1\frac{1}{2}, 3)$ \longrightarrow (,)

D $(-4, -3\frac{1}{2})$ \longrightarrow (,)



Reflecting over the y-axis:



Write down the ordered pair for A.
If A is reflected across the y-axis, what
would be the new point on the graph?
Label this point.

Look at both points, what observations
can you make about the two points.

Reflecting over the y-axis rule: _____

Try it:

Graph the following points in the correct quadrant of the coordinate plane. If the point is reflected across the y-axis, what are the coordinates of the reflected points? What similarities are between coordinates of the original point and reflected point?

- A $(-5, 2)$ \longrightarrow (,)
B $(2, 4)$ \longrightarrow (,)
C $(-1\frac{1}{2}, 3)$ \longrightarrow (,)
D $(-4, -3\frac{1}{2})$ \longrightarrow (,)

